ECE Senior Design Weekly Report

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Team Name: Globetrotters Lab Section: TH

Week’s Task: Create python functions and modify existing files to start accessing data from MySQL database instead of making API calls. Work on pulling more data from APIs and database to display on our GUI. Begin to develop team web site.

Results:

MySQL Database and Python

* Created basic functions to access different tables (Countries, States, Cities) and query based on user input
* Working on more scripts to pull more detailed information to display on GUI
* Start replacing existing functions in voice control to start using new database functions
* Create more complex database queries to get information to display on GUI depending on location type (Country, State, City)

Website

* Began editing the layout of a website template I found
* Started adding content about team members and description of the project
* Successfully logged into Jason server to transfer website files

Summary

This week I began writing python libraries to access the data we have in our MySQL database. Right now, it simply just queries the database and searches in 3 tables for the location (Country, State, City) and returns any rows that it may have. I want to create more complex queries to provide different information based on the type of location that is found. For example, if the search is a country, it can return how many states are in that country and list the names to the user so they can navigate to one of those countries. A similar idea could be used for state locations. Cities would have the most detailed information while the top-level locations will be more generalized. I’ve also began editing our team website based off a template I found online. I began adding content about our project and I’m starting to gather more documentation about our development process and progress to include on our website. I also checked to see if I could log onto the school servers and I could log on successfully.